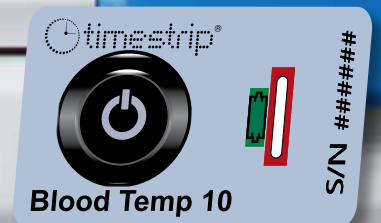


# Close the loop in the Blood Reissue Compliance Cycle

Take control of  
your blood supply

Visit [www.timestrip.com](http://www.timestrip.com)  
and fill out our contact form  
to get a free sample today.

## Blood Temp 10



# Save Time. Save Money. Save Lives. Identify safe, reusable blood with the new Timestrip Blood Temp 10 regulatory solution.



## Save Time

Time saves lives. Make critical decisions on RBC safety - because every second counts.

The standard for most blood banking institutions require that blood must be maintained between 1 and 10 degrees Celsius for blood to be considered for reissue. In the effort to comply with this standard most institutions follow the 30-minute rule. This rule allows for a blood bag to be held outside a monitored refrigeration system at room temperature for a maximum of 30 minutes before it must be discarded. The belief is that it takes roughly 30 minutes at room temperature for a bag of RBC to breach 10°C / 50°F.

Studies have shown that the time it takes for a blood bag to reach 10C very dramatically based on the difference in environmental exposure. The 30 minute rule alone is not enough to observe the regulatory guidance that “blood bank or transfusion services shall have methods to limit and detect bacterial contamination (AABB).”

The Blood Temp 10 will identify when the 10°C / 50°F breach occurs, removing any ambiguity associated with the 30 minutes rule.

With the new Blood Temp 10 you can avoid the time critical distraction of having to manually take the RBC temperature. Start saving time with the new Blood Temp 10.

## Save Money

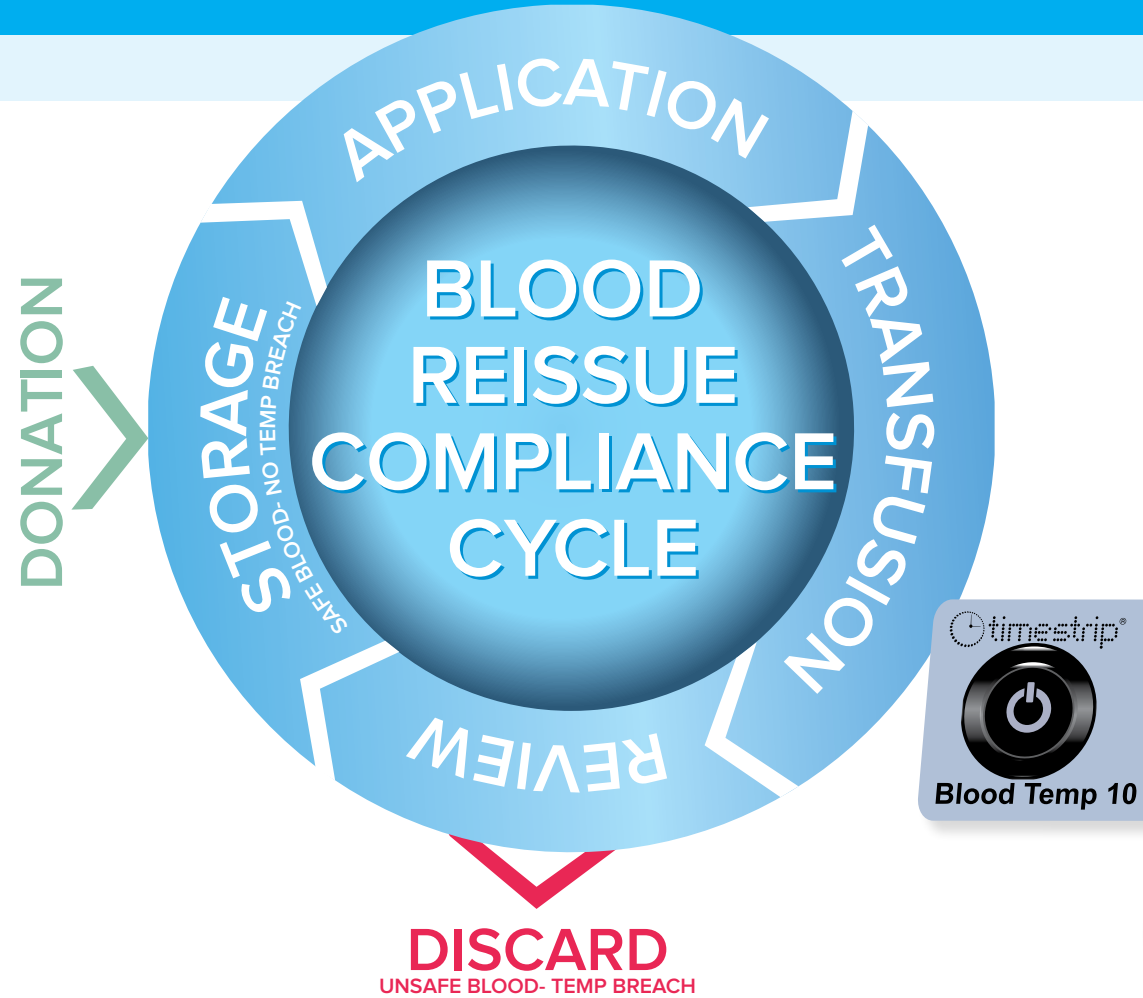
Timestrip makes temperature indicators that cost very little, to help you save a lot - because compliance and cost control go hand in hand.

According to the WHO around 107 million blood donations are collected globally every year and it is generally accepted that 2% of blood may be discarded. The use of suitable equipment and good management of blood cold chain are important means of minimizing losses and donated blood.

A lack of product data leads to an unpredictable blood cold chain, which will create an environment of guesswork, assumptions and inaccurate predictions when it comes time to make blood safety and costrecovery related decisions.

The lack of accurate data due to a poorly designed temperature tracking system will force the disposal of unadulterated blood and create financial loss. These are very expensive consequences that can be overcome with the adoption of our low-cost, failsafe indicators.

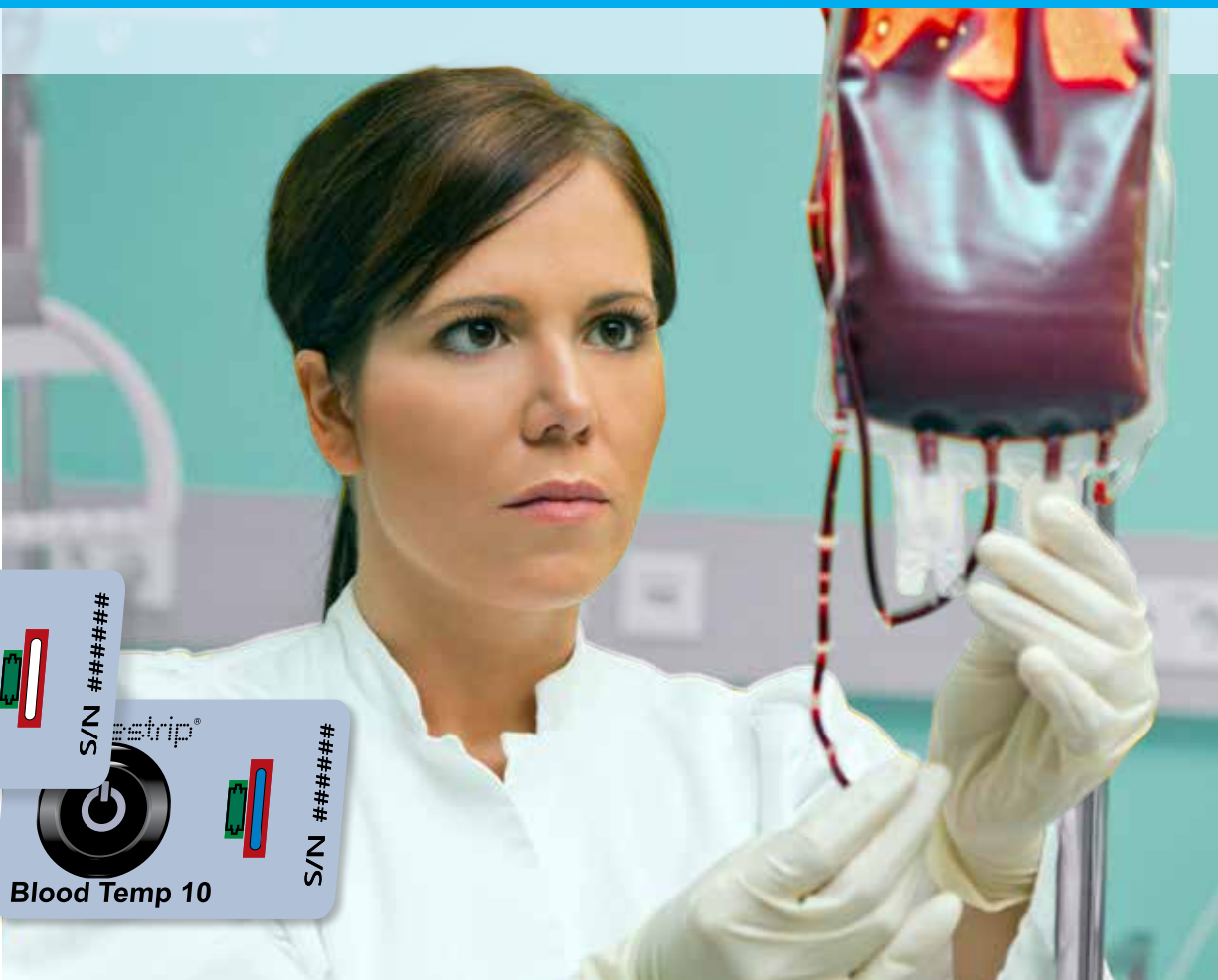
Developing a system of bag level temperature monitoring closes the loop in the Blood Reissue Compliance Cycle (BRCC) and can deliver the results required to effectively build and maintain Standard Operating Procedures, which in turn drives even greater levels of cost recovery and raises awareness throughout the whole blood supply chain. Start making things work better, for less.



## Safe Blood Reissue Compliance Cycle (BRCC) with Blood Temp 10

“The Timestrip blood indicators have helped us **identify critical control points** within our cold chain process where we were at risk of temperature abuse. After identifying and fortifying some critical control points we have achieved a reduction of blood waste and we are confident in our ability to offer a **safe blood supply to patients**. We see Timestrip temperature indicators as a significant step forward in the handling and management of blood temperature throughout the blood supply chain.”

Caroline Pieters, Haemovigilance Nurse at the AZ St Lucas Hospital in Gent.



## Accountability

A robust BRCC will transform the whole chain – because front line teams see things more clearly.

The adoption of our simple to use technology as a vital element of the BRCC compliant process will help deliver new levels of accountability across the RBC temperature management teams. Front line teams know the value of clear, simple communication.

Add in the fail-safe aspect of the Blood Temp 10 along with the simplicity of use (including no additional pre-conditioning or expensive associated consumables) and it's easy to see the value of our patented technology. Start an altogether better way of working.

Choosing the Timestrip Blood Temp 10 for your BRCC will bring the following benefits:

<b>PROCESS</b>	uncover potentially dangerous critical control points
<b>REGULATORY</b>	safeguard against any unnecessary regulatory breach
<b>HANDLING</b>	from collection, transport, blood bank to the patient, Blood Temp 10 helps everyone ensure that the BRCC is fully compliant
<b>ACCOUNTABILITY</b>	across the team will deliver better clinical decisions

## Save lives

There is a human cost too. Remove unnecessary supply chain wastage - because every drop counts.

Bacterial contamination of blood components is the most frequently reported cause of transfusion-related fatalities. The Timestrip Blood Temp 10 ensures that bacteria growth due to elevated temperatures has not compromised blood during storage, transportation and distribution.

Transfusion teams can increase patient safety by confirming their blood products are kept within the required BRCC regulatory conditions. If unsafe temperature conditions occur the Blood Temp 10 provides the assurance to remove unsafe RBC from the stocks being used.

### GLOBAL FATALITIES DUE TO ABUSED BLOOD

Loss #	# of Blood Transfusions Globally	Fatality Rates Due to Bacteria Contamination	Global Fatalities Due to Bacteria Contamination
	85 Million	1/100,000	<b>850</b>

The Blood Temp 10 will give operational teams the confidence that their transfusion efforts are never undermined by temperature ambiguity. Start saving more lives with less wastage.

## Regulatory

Regulations are clear. Control RBC temperature throughout the BRCC with Blood Temp 10 – because there are no grey areas.

Mainlining temperature control during storage and shipment is of extreme importance in order to uphold high standards of regulatory compliance. There are many variables that can negatively affect the safety of your blood supply. The new Blood Temp 10 will provide auditable proof that each individual blood bag has been maintained according to relevant regulations:

- Blood storage between 1°C to 6°C
- Not to exceed 10°C when transported
- 30-minute rule - Blood components may be held at ambient temperature for no longer than 30 minutes
- AABB Standard 5.24 (27th edition): RBC products can be re-issued if “appropriate” temperature has been maintained

Adoption of the Timestrip Blood Temp 10 is also a visible demonstration of your commitment to patient care and quality standards.

## How it Works

Push button activated easy-to-read indicator  
- because safety can not rely on guesswork.



The Blood Temp 10 blood bag indicator is designed for use by blood banks and transfusion services during blood storage and transportation.

When applied to a blood bag the Timestrip® Blood Temp 10 will immediately begin to sense the core temperature. Any breach of the core blood temperature above 10°C and the BloodTemp10 will change color from white to blue indicating that an unsafe temperature condition existed.

If the indicator window remains white, the blood may safely be reissued upon return as detailed by the American Association of Blood Bank Standards for Blood Banks and Transfusion Services and CFR 600.15(a).



finger activation



activated- no breach



activated- breach

## Blood Temp 10 ROI

Make time for critical decision making.  
Use our cost saving calculation guide  
- because seeing is believing.

Loss #	Total Blood Bags (Annual Usage)		% Blood Bag Loss Annually		Annual Loss Rate
	20,000	X	5%	=	1,000

Loss \$	Annual Loss Rate		Average Replacement Cost per Bag		Annual Cost of Replacement
	1,000	X	\$220	=	\$220,000

Invest \$	Total Blood Bags (Annual Usage)		Blood Temp10 Price		Blood Temp10 Investment Price
	20,000	X	\$0.99	=	\$19,800

Savings	Annual Cost of Replacement		Loss Reduction % using Blood Temp10		Savings
	220	X	50%	=	<b>\$110,000</b>

ROI	Gross Savings		Blood Temp10 Investment		Net Saving
	\$110,000	-	\$19,800	=	<b>\$90,200</b>

Reducing your loss rate by 9% pays for total investment

Reducing your loss rate by 50% could potentially deliver \$90,000+ in savings

Additional savings may also be found from a reduction of administration fees, freight charges for replacement blood and regulatory inspections.

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